

Please print or type in the unshaded areas only.

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Paperwork Reduction Act Notice
Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

[illegible]

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

[illegible]

B: You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility.

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
	See Attached				

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.


Petroleum products are stored on site in aboveground storage tanks (ASTs) and drums. ASTs are equipped with secondary containment. Drums and additional materials are stored under roof to minimize exposure to storm water. Wastewater treatment systems are used to treat storm water runoff before it leaves the Facility. The facility-specific Storm Water Pollution Prevention Plan (SWPPP) is used in conjunction with a Spill Prevention, Control, and Countermeasure (SPCC) Plan to assist personnel in understanding the importance of storm water management and pollution reduction. In the last three years, there have been no changes in facility operations or use of products that have impacted discharges.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
All Outfalls	Structural: Dikes berms, swales, ditches, and underground conveyances direct storm water runoff.	
005	Structural: Wastewater treatment system using flow equalization, grit removal, oil/water separation, flocculation, flotation, sludge drying, and sedimentation ponds.	1-G, 1-H 1-M, 1-U
006	Structural: Wastewater treatment system using sedimentation ponds.	4-A, 5-H
All Outfalls	Non-Structural: SWPPP; SPCC Plan; personnel training, good housekeeping; routine inspections.	

V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
D.F. Julian, Vice President Safety and Environmental		11/25/2014

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A storm water delineation study was conducted in 1997 by Langley and McDonald, P.C. Smoke test, dye tracing, and camera inspection, etc. were used in the study. A report on this study, entitled "Lambert's Point Drainage Delineation and Storm Water Management Study" was prepared by Langley and McDonald and submitted to the VDEQ.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

See attached

Continued from Page 2

EPA ID Number (copy from Item 1 of Form 1)
VA0003409**VII. Discharge Information**

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided.
Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.

E. Potential discharges not covered by analysis – is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes (list all such pollutants below)☒ No (go to Section IX)

NA

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☒ Yes (list all such pollutants below)☐ No (go to Section IX)

Annual acute toxicity testing is conducted on Outfalls 005 and 022 in accordance with the VPDES permit.

IX. Contract Analysis Information

Were any of the analyses reported in Item VII performed by a contract laboratory or consulting firm?

☒ Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)☐ No (go to Section X)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Universal Laboratories	20 Research Drive Hampton, VA 23666	(757) 865-0880	All pollutants required by the VPDES permit.

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

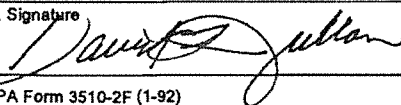
A. Name & Official Title (Type Or Print)

D.F. Julian, Vice President Safety and Environmental

B. Area Code and Phone No.

(404) 582-5373

C. Signature



D. Date Signed

11/25/2014

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

*Analytical results are based on a summary of data previously reported on Discharge Monitoring Reports submitted between May 2012 and October 2014.

Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

[illegible]

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)
NA					

7. Provide a description of the method of flow measurement or estimate.

The flow is esitimated based on the gauged rainfall data and the total runoff basin area for the outfall.

VII. Discharge information (Continued from page 3 of Form 2F)

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Outfall 006 Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Oil and Grease	Wavier requested	not required by existing permit; no	changes in facility operations or	use of products that may affect discharges.		
Biological Oxygen Demand (BOD5)	Wavier requested	not required by existing permit; no	changes in facility operations or	use of products that may affect discharges.		
Chemical Oxygen Demand (COD)	Wavier requested	not required by existing permit; no	changes in facility operations or	use of products that may affect discharges.		
Total Suspended Solids (TSS)	*9.9 mg/L	N/A	*6.8 mg/L	N/A	6.00	Storm water runoff
Total Nitrogen	Wavier requested	not required by existing permit; no	changes in facility operations or	use of products that may affect discharges.		
Total Phosphorus	Wavier requested	not required by existing permit; no	changes in facility operations or	use of products that may affect discharges.		
pH	Minimum 7.70	Maximum 8.40	Minimum 7.70	Maximum 8.40	6.00	Storm water runoff

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Outfall 006 Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
pH	*8.4 s.u.	NA	*8.1 s.u.	NA	6.00	Storm water runoff
TSS	*9.9 mg/L	NA	*6.8 mg/L	NA	6.00	Storm water runoff
TPH	*1.5 mg/L	NA	*1.0 mg/L	NA	6.00	Storm water runoff

*Analytical results are based on a summary of data previously reported on Discharge Monitoring Reports submitted between May 2012 and October 2014.

Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

[illegible]

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)
NA					

7. Provide a description of the method of flow measurement or estimate.

The flow is esitimated based on the gauged rainfall data and the total runoff basin area for the outfall.

VII. Discharge information (Continued from page 3 of Form 2F)

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Outfall 022
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
	Sources of Pollutants					
Oil and Grease	*Analytical results are based on a summary of data previously reported on Discharge Monitoring Reports submitted between May 2012 and October 2014.					
Biological Oxygen Demand (BOD5)	Wavier requested	not required by existing permit; no	changes in facility operations or	use of products that may affect discharges.		
Chemical Oxygen Demand (COD)	Wavier requested	not required by existing permit; no	changes in facility operations or	use of products that may affect discharges.		
Total Suspended Solids (TSS)	*522 mg/L	NA	*157 mg/L	N/A	6.00	Storm water runoff
Total Nitrogen	Wavier requested	not required by existing permit; no	changes in facility operations or	use of products that may affect discharges.		
Total Phosphorus	Wavier requested	not required by existing permit; no	changes in facility operations or	use of products tha tmay affect discharges.		
pH	Minimum 6.90	Maximum 8.00	Minimum 6.90	Maximum 8.00	6.00	Storm water runoff

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Outfall 022 Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
pH	*8.0 s.u.	NA	*7.2 s.u.	NA	6.00	Storm water runoff
TSS	*522 mg/L	NA	*157 mg/L	NA	6.00	Storm water runoff
TPH	*<1.5 mg/L	NA	*<1.0 mg/L	NA	6.00	Storm water runoff
Dissolved Copper	*6 mg/L	NA	*2.4 mg/L	NA	6.00	Storm water runoff
Dissolved Zinc	*74.5 mg/L	NA	*36.8 mg/L	NA	6.00	Storm water runoff

*Analytical results listed are based on a summary of data previously reported on Discharge Monitoring Reports submitted between May 2012 and October 2014.

Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

[illegible]

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

Table 2 Provides data for the storm(s) which resulted in the maximum values for the ten weighted composite samples					
1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)
NA					

7. Provide a description of the method of flow measurement or estimate.

The flow is esitimated based on the gauged rainfall data and the total runoff basin area for the outfall.

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

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Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

[illegible]

VPDES Permit Renewal Application
Norfolk Southern Railway Company – Lambert's Point Terminal
VPDES Permit No. VA0003409

Supplementary Information to Application Form 2F

Section IV.A – Summary of Outfall Information and Potential Pollutant Sources

VPDES Outfall Number	Latitude / Longitude	Total Drainage Area (acres)	Impervious Surface Area (acres)	Estimated Flow (mgd)	Activities Conducted in Drainage Area	Potential Pollutant Sources
001	36° 52' 10" (N) 76° 19' 06" (W)	7.2	0.4	0.0147	General facility drainage; no industrial activity	NA – uncontaminated storm water runoff from non-industrial activity areas
002	36° 52' 11" (N) 76° 19' 08" (W)	13.3	0.5	0.0269	General facility drainage; no industrial activity	NA – uncontaminated storm water runoff from non-industrial activity areas
003	36° 52' 18" (N) 76° 19' 17" (W)	16.6	0.5	0.0335	General facility drainage; no industrial activity	NA – uncontaminated storm water runoff from non-industrial activity areas
004	36° 52' 20" (N) 76° 19' 21" (W)	2.3	0.2	0.0047	General facility drainage; no industrial activity	NA – uncontaminated storm water runoff from non-industrial activity areas
005	36° 52' 21" (N) 76° 19' 23" (W)	40.9	0.8	0.0264	Locomotive service and repair; petroleum storage and handling	Petroleum products
006	36° 52' 26" (N) 76° 19' 39" (W)	193.7	12.3	0.0698	Coal storage and handling; Equipment service and repair; petroleum storage and handling	Coal; petroleum products
015	36° 52' 48" (N) 76° 19' 25" (W)	0.9	0.2	0.0020	Railcar switching and train building	NA – uncontaminated storm water runoff from non-industrial activity areas
017	36° 52' 52" (N) 76° 19' 09" (W)	0.5	0.2	0.0012	General facility drainage; no industrial activity	NA – uncontaminated storm water runoff from non-industrial activity areas
018	36° 52' 53" (N) 76° 18' 59" (W)	0.5	0.3	0.0012	General facility drainage; no industrial activity	NA – uncontaminated storm water runoff from non-industrial activity areas
019	36° 52' 53" (N) 76° 18' 54" (W)	0.5	0.14	0.0011	General facility drainage; no industrial activity	NA – uncontaminated storm water runoff from non-industrial activity areas
020	36° 52' 50" (N) 76° 18' 50" (W)	18.6	0.0	0.0370	General facility drainage; no industrial activity	NA – uncontaminated storm water runoff from non-industrial activity areas
021	36° 52' 49" (N) 76° 18' 49" (W)	0.9	0.0	0.0018	General facility drainage; no industrial activity	NA – uncontaminated storm water runoff from non-industrial activity areas
022	36° 52' 40" (N) 76° 18' 41" (W)	3.8	0.3	0.0698	Equipment service and repair; petroleum storage and handling	Petroleum products

Significant Spill and Release Summary

Date	Material Released	Released From/ Capacity In Gallons	Volume Released	Source of Release/Cause	Corrective Actions	Effective Secondary Containment	Amount to Water	Enforcement Actions	Effectiveness of Monitoring Equipment
5/5/11	Lubricating Oil	Locomotive / Unknown	1 gallon	Unknown	Absorbents applied / Release secured	NA	0	NA	NA
6/20/11	Diesel	Generator / Unknown	0.5 gallons	Spill from rental generator	Absorbents applied / Release secured	NA	0	NA	NA
8/3/11	Hydraulic Oil	Fork Lift / Unknown	3 gallons	Ruptured hydraulic line	Absorbents applied / Release secured	NA	0	NA	NA
9/2/11	Hydraulic Oil	Tractor Trailer Truck / Unknown	2 gallons	Ruptured hydraulic line	Absorbents applied / Release secured	NA	0	NA	NA
9/9/11	Hydraulic Oil	Service Truck / Unknown	3 gallons	Leak on air compressor	Absorbents applied / Release secured	NA	0	NA	NA
12/14/11	Cyclohexane	Unknown	2 gallons	Spilled by Contractor cleaning barge	Absorbents applied and disposed of	NA	0	NA	NA
12/21/11	Hydraulic Fluid	"track mobile"/ unknown	4 gallons	Burst hose/ equipment failure	Absorbents applied -- contractor hired for clean up	NA	0	NA	NA
5/2/12	Lube Oil	Locomotive/ unknown	2 gallons	Unknown	Contractor hired for clean up	NA	0	NA	NA
5/4/12	Lube Oil	Locomotive/ unknown	200 gallons	Turbo line blew/ unknown	Contractor on scene for clean up	NA	0	NA	NA
6/9/12	Coal	Railcar/ unknown	2 Tons	Derailment	Clean up underway	NA	0	NA	NA
7/5/12	Lube Oil	Locomotive/ unknown	0.5 gallons	Discharge from stack	Unit shut down -- Mechanical department will conduct clean up	NA	0	NA	NA

Significant Spill and Release Summary (Continued)

Date	Material Released	Released From/ Capacity In Gallons	Volume Released	Source of Release/Cause	Corrective Actions	Effective Secondary Containment	Amount to Water	Enforcement Actions	Effectiveness of Monitoring Equipment
10/5/13	Oil	Rotate Reducer on Pier/ unknown	4 gallons	Equipment leak	Contractor hired for clean-up	NA	0	NA	NA
11/1/13	Used motor oil	Trespasser/ 15 gallons	15 gallons	Trespasser dumped into ditch	Contractor Hired for clean up	NA	0	Local PD onsite investigating	NA
12/9/13	Hydraulic Oil	Pier/ unknown	5 gallons	Fitting on pier broken	Absorbents applied - contractor en route	NA	0	NA	NA
4/1/14	Lube Oil	Equipment/ unknown	1 pint	unknown	Contractor Hired	NA	0	NA	NA
4/16/14	Lube Oil	Locomotive/ unknown	5 gallons	Malfunction	Contractor en-route for clean-up	NA	0	NA	NA
5/8/14	Oily Water	OWS	Unknown	Unknown	Contractor hired	NA	0	NA	NA
6/20/14	Hydraulic Oil	Rail Retarder	25 gallons	Burst hose	Contractor en-route for clean-up	NA	0	NA	NA
7/17/14	Motor Oil	55-gallon drum	1 quart	Trying to move drum/ under investigation	Mechanical applied oil dry and disposed of the material	NA	0	NA	NA
8/5/14	Diesel	Engine/ unknown	100 gallons	Derailment and punctured tank	Material was released into the OWS - contractor hired for cleanup	Yes	0	NA	NA
8/15/14	Lube Oil	Locomotive/ Unknown	10 gallons	Equipment failure	Applied absorbents - OSRO en-route	NA	0	NA	NA
8/18/14	Hydraulic Oil	Vessel/ Unknown	Unknown	Leak	Leak contained	NA	Unknown	USCG notified	NA

VPDES Permit Application Addendum

1. Entity to whom the permit is to be issued: Norfolk Southern Railway Company
 Who will be legally responsible for the wastewater treatment facilities and compliance with the permit? This may or may not be the facility or property owner.

2. Is this facility located within city or town boundaries? Yes ☒ No ☐

3. Provide the tax map parcel number for the land where the discharge is located. Unknown

4. For the facility to be covered by this permit, how many acres will be disturbed during the next five years due to new construction activities? 0

5. What is the design average effluent flow of this facility? 0.2901 MGD

For industrial facilities, provide the max. 30-day average production level, include units:
NA

In addition to the design flow or production level, should the permit be written with limits for any other discharge flow tiers or production levels? Yes ☐ No ☒
 If "Yes", please identify the other flow tiers (in MGD) or production levels:

Please consider the following questions for both the flow tiers and the production levels (if applicable): Do you plan to expand operations during the next five years? Is your facility's design flow considerably greater than your current flow?

6. Nature of operations generating wastewater:

Locomotive fueling and lubrication, locomotive and railcar maintenance, coal storage and handling

0 % of flow from domestic connections/sources

Number of private residences to be served by the treatment works:

100 % of flow from non-domestic connections/sources

7. Mode of discharge: ☒ Continuous ☐ Intermittent ☐ Seasonal

Describe frequency and duration of intermittent or seasonal discharges:

NA

8. Identify the characteristics of the receiving stream at the point just above the facility's discharge point:

☒ Permanent stream, never dry

☒ Intermittent stream, usually flowing, sometimes dry

☐ Ephemeral stream, wet-weather flow, often dry

☐ Effluent-dependent stream, usually or always dry without effluent flow

☐ Lake or pond at or below the discharge point

☐ Other:

9. Approval Date(s):

O & M Manual N/A

Sludge/Solids Management Plan N/A

Have there been any changes in your operations or procedures since the above approval dates? Yes ☐ No ☒